

I. INTRODUCTION

This source has applied for a Clean Air Act Permit Program (CAAPP) operating permit for its existing operation. The CAAPP is the program established in Illinois for the operating permits for significant stationary sources required by the federal Clean Air Act, as amended in 1990. Unlike this source's current state operating permit(s), the conditions in a CAAPP permit are enforceable by both the Illinois Environmental Protection Agency (Illinois EPA) and the USEPA.

Tyson Fresh Meats, Inc.-Joslin, IL is located in Geneseo and is a beef slaughter and integrated rendering facility.

II. EMISSION UNITS

Significant emission units at this source are as follows:

Emission Unit	Description	Date Constructed	Emission Control Equipment
Unit 1	Fuel Combustion Emission Units (boilers and heaters)	<u>Boilers #1-3:</u> 1970 <u>Boiler #4:</u> 1984 <u>Hot Water Heater:</u> 1999 <u>Kill Floor Heater:</u> 1999 <u>Other Heaters:</u> After 1972	None
Unit 2	Kill Floor Processes	1998;1999	None
Unit 3	Blood Drying and Rendering	1999;2002	Venturi Scrubber and Packed Scrubber
Unit 4	Edible Rendering	After 1972;1999 (Dryer)	Venturi Scrubber with Wet Cyclone Demister; Cyclones
Unit 5	Inedible Rendering	After 1972; 2001 (Steam Dryer)	Cyclone Impingement Tank; Direct Contact Demister; Packed Bed Scrubber;Baghouse; Dust Vacuum
Unit 6	Storage Silos	After 1972	Baghouse
Unit 7	Truck and Rail Loading	After 1972	Baghouse; Packed Bed Scrubber
Unit 8	Hide Splitter (Tannery)	1994	Cyclone
Unit 9	Wastewater Treatment Plant (3 anaerobic lagoons, aeration basin, 2 covered equalization basins)	After 1972; One Lagoon, Cover, Flare and Scrubber were added in 2001	Packed Column Scrubber and BioGas Flare for covered lagoons

Unit 10	Gasoline Storage Tank	2001	Submerged Loading Pipe
Unit 11	Fugitive Emissions	N/A	None

III. EMISSIONS

The proposed permit limits the maximum annual emissions from significant emission units at the source. Insignificant activities at this source are not accounted for in the source limit.

For purposes of fees, the source is allowed the following emissions:

Pollutant	Tons/Year
Volatile Organic Material (VOM)	56.37
Sulfur Dioxide (SO ₂)	151.52
Particulate Matter (PM)	209.31
Nitrogen Oxides (NO _x)	174.04
HAP, not included in VOM or PM	-----
TOTAL	591.24

IV. APPLICABLE EMISSION STANDARDS

All emission sources in Illinois must comply with the Illinois Pollution Control Board's emission standards. The Board's emission standards represent the basic requirements for sources in Illinois.

All emission sources in Illinois must comply with the federal New Source Performance Standards (NSPS). The Illinois EPA is administering NSPS in Illinois on behalf of the United States EPA under a delegation agreement.

All emission sources in Illinois must comply with the federal National Emission Standards for Hazardous Air Pollutants (NESHAP). The Illinois EPA is administering NESHAP in Illinois on behalf of the United States EPA under a delegation agreement.

V. PROPOSED PERMIT

A CAAPP permit contains conditions listing the applicable state and federal air pollution control regulations that apply to a source. The permit conditions also establish emission limits and appropriate compliance procedures. The appropriate compliance procedures may include inspections, work practices, monitoring, record keeping, and reporting to show compliance with these requirements. The Permittee must carry out these procedures on an on-going basis to demonstrate that the source is operating in accordance with the requirements of the permit.

VI. REQUEST FOR COMMENTS

It is the Illinois EPA's preliminary determination that this source's permit application meets the standards for issuance of a CAAPP permit. The Illinois EPA is therefore proposing to issue a CAAPP permit, subject to the conditions proposed in the draft permit.

Comments are requested on this proposed action by the Illinois EPA and the proposed conditions on the draft permit. If substantial public interest is shown in this matter, the Illinois EPA will consider holding a public hearing in accordance with 35 Ill. Adm. Code Part 164.